

# **Small Town, Big Data: Reconstructing Defunct Communities Through Technology**



**Tammy Hepps**

**February 24, 2020**

**Family History Technology Workshop**



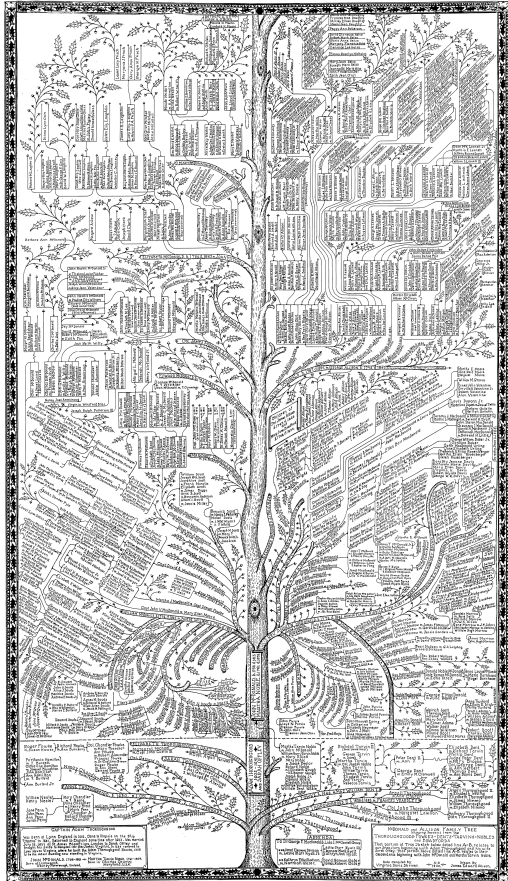
# The PITTSBURGH Industrial District



Homestead Hebrew Data



# Big Data in Genealogy



- One-name studies
- One-place studies
- Community reconstitution



Homestead Hebrew Data



<http://Data.HomesteadHebrews.com>



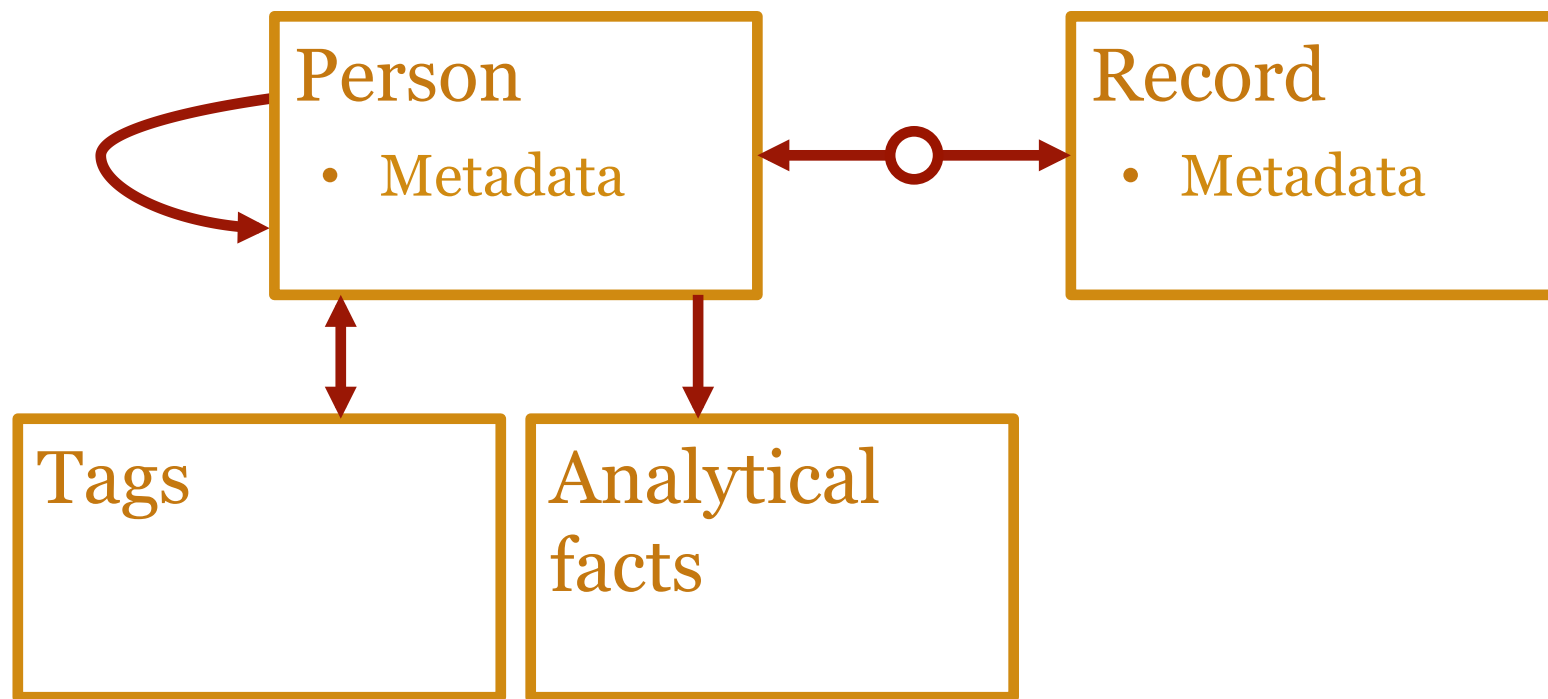
- 8,573 people
- 30,198 records
  - 22,629 more on Ancestry



Homestead Hebrew Data



# Data Model





# Censuses and Directories

287	Heppes Adolph	Head	M	W	48	M	23			Ann-Heppes
	Julia	Wife	F	W	46	M	23	7	7	Ann-Heppes
	Bella	Daughter	F	W	21	S				Ann-Heppes
	Alie	Son	M	W	18	S				Ann-Heppes
	Razel	Daughter	F	W	16	S				Ann-Heppes
	Joseph	Son	M	W	12	S				Ann-Heppes
	Bella	Daughter	F	W	10	S				Ann-Heppes
	Martin	Son	M	W	7	S				Ann-Heppes
	Sam	Son	M	W	4	S				Ann-Heppes
288	Heppes Bernhard	Head	M	W	45	M	17			Ann-Heppes
	Bertha	Wife	F	W	38	M	17	8	8	Ann-Heppes
	Alie	Son	M	W	16	S				Ann-Heppes
	Alie	Daughter	F	W	14	S				Ann-Heppes
	Razel	Daughter	F	W	13	S				Ann-Heppes
	Jacob	Son	M	W	11	S				Ann-Heppes
	Samuel	Son	M	W	9	S				Ann-Heppes
	Martin	Son	M	W	6	S				Ann-Heppes
	Herbert	Son	M	W	6	S				Ann-Heppes
	Morris	Son	M	W	3	S				Ann-Heppes

1910 census ↑

City dir., 1925 ↗

The Mercantile  
Agency Reference  
Book, Sep. 1914 →

The Pittsburgh  
Post, 4/20/1903,  
p. 12, 16 →→

HOMESTEAD, ALLEGHENY CO.—6 B	
Population 21,256—A Banking Town	
E Abels Joseph H.....	Hotel 4
P Ackerman T. F.....	Dairy, K 3 1/2
Adams Louis C.....	Meat
T Adlersberg Max.....	Gro., &c. J 4
T Akucowicz V.....	Gro. E 2 1/2
A Albies M. G.....	Dressmkr. 4
Allen Mrs. P.....	Bakery, M 4
Alter C. H. & Co.....	Clothing & Tailors, G 3
Amberson Miss Flora.....	Millinery, L 3 1/2
T Ament P.....	Gro. & Meat, G 3
Ammerman & Haws.....	Dyers & Cleaners, J 3
Antonoff M. & Co.....	Bakers, 4
Baker B. P.....	Gro. M 4
Bailly & Staricks.....	H'ware & Furn., H 3 1/2
Bardine Antonio.....	Confec. & Fruit, M
Heavy Albert J.....	Photograph Framing
Heidrick Edward.....	& Jewelry, J 3 1/2
Heins M.....	Confec. L 3 1/2
Hepps Adolph.....	Gro. & Confec. M
Hepps B.....	Furniture & Meat, F 3 1/2
Hepps B.....	Hotel, G 3 1/2
Herrig Joseph.....	Stained Glass, M
P Ribler A. A.....	Whol. Prod. & Fruit, F 3
(Also New Kensington.)	
T Hill James G.....	Gro. M 4
Hilidon Louis F.....	Gen'l Repairshop, M 4
Hirth W. J.....	Drugs, H 3 1/2
Hoel B. W.....	Tailor, L 4
Hoffer J. N.....	Jewelry, 4
Holewinaki Martin.....	Hotel, 4
Homestead Baking Co.....	D 2 1/2
Homestead Brick Co.....	Mfrs. 3
U Homestead Floral Co.....	Florists, 4
O Homestead Gas & Electric Supply Co.....	H 4
Homestead Harness & Supply Co. (not inc.).....	M 4
Homestead Ice Company.....	Robert

242	(1925) R. L. POLK & CO.'S
Hepburn Chas driver	J B Coen Brick & Tile Wks r E 6th av
Hepburn Harry (Anna)	lab h1504 McClure
Hepburn Wm G (Cora)	lab h322 Cherry W H
Hepner Nelson (Edna)	barber h251 8th av W H
Hepner A Ernest (Fannie)	confr and newstand 601-3 Amity h503 do
Hepps Abr C lawyer	r406 Dickson
Hepps Adolph (Julia)	h404 Dickson
Hepps Alex L (Celia)	dry gds 434 8th av M h427 9th av M
Hepps Bernhard (Bertha)	h406 Dickson
Hepps Elsie student	r427 9th av M
Hepps Herbert S clk	Saml W Hepps r406 Dickson
Hepps Jacob	r406 Dickson
Hepps Martin W clk	Saml W Hepps r406 Dickson
Hepps Saml student	r404 Dickson
Hepps Saml W drugs	406 Dickson r do
Herbel Fredk (Nellie)	lab h Duquesne av Munhall ter
Herbel Geo asst supt	Carnegie Steel Co Laura and Green Spring av Homeville

## MERCANTILE APPRAISER'S LIST. 1903.

### HOMESTEAD BOROUGH.

Address Pharmacy, 244 Eighth ave., retail.  
 Alter & Co., C. H., 605 Ann st., retail.  
 Aronson, B., 201 Fifth ave., retail.  
 Arons & Siegle, 543 Dickson st., retail.  
 Aszmongya, Louis, 216 Dickson st., retail.  
 Aknciewicz, David, 322 Eighth ave., retail.  
 Anderson, A. G., 1418 Millin st., retail.  
 Ament, Phillip, 201 Fifteenth st., retail.  
 Antonia, D., Tenth & West sts., retail.  
 Anderson, Jas., Sixth ave., billiards and pool.  
 Arons & Siegle, Dickson st., billiards & pool.  
 Boros, Steve, 221 Sixth ave., retail.  
 Bossert, Mrs. V., 123 Fourth ave., retail.  
 Bridges & Co., 323 Seventh ave., retail.  
 Butkowsky, A., 403 Dickson st., retail.  
 Hires, John, 517 Dickson st., retail.  
 Boyle, Mrs. Mary, 127 Sixteenth st., retail.  
 Bassett, Mrs. G., 307 Thirteenth st., retail.  
 Block, Herman, 304 Sixth ave., retail.  
 Baird, J. E., 216 Sixth ave., retail.  
 Batsford & Bros., H. F., 204 Eighth ave., r. 1.  
 Brockman, T. W., 224 Eighth ave., retail.  
 Burkey, D. H., 1016 Amity st., retail.  
 Brodhead, Albert, 433 Third ave., e. h.  
 Brunell, G., Eighth ave., retail.

 Homestead Hebrew Data



# Genealogical records

PLACE OF BIRTH		COMMONWEALTH OF PENNSYLVANIA			
County of <i>Allegheny</i>		Bureau of Vital Statistics			
Township of <i>Franklin</i>		CERTIFICATE OF BIRTH			
Borough of <i>Franklin</i> City of <i>Pittsburgh</i>		Registration District No. <i>14-0</i>		File No. <i>3776</i>	
No. <i>446</i> Div. <i>2nd</i> St. <i>2nd</i> Ward		Primary Registration District No. <i>Thomas Heppes</i>		Registered No. <i>27</i>	
FULL NAME OF CHILD					
Sex of <i>male</i> <i>English</i> <i>1</i> and <i>1</i> Number <i>15</i> of birth <i>1</i>		Legiti- <i>yes</i> Date of birth <i>Jan 15</i> MO <i>1</i> YR <i>1907</i>		(day)      (year)	
FULL NAME      FATHER		FULL NAME      MOTHER			
<i>Barney Heppes</i>		<i>Betty Heppes</i>			
RESIDENCE		RESIDENCE			
<i>2nd Ward</i>		<i>2nd Ward</i>			
AGE AT LAST BIRTHDAY <i>42</i>		AGE AT LAST BIRTHDAY <i>44</i>		AGE AT LAST BIRTHDAY <i>34</i>	
				(years)	
<div style="font-size: 48px; font-weight: bold; margin: 0;">Birth certificates</div>					
Number of child of this mother <i>2</i>		Number of children of this mother, now living <i>2</i>			

# Birth certificates

14

*Isidor I Grossman* born in *Hungary* on the  
day of *May* A. D. 1886, residing at *Brooklyn, Kings County, Co*  
*Yonkers* occupation *Char. Salesman* Not related by blood  
or marriage to the person whom he desires to marry.  
has *Not* been married before.

*Josephine Amelie Schindler* born in *Hungary* on the  
day of *March* A. D. 1884, residing at *Brooklyn*  
occupation has *Not* been married before

Marriage license issued *April 19* 1902

Consent of \_\_\_\_\_ residing at \_\_\_\_\_  
*Josephine Amelie Schindler* *Isidor Grossman* *Pa*

**Marriage records**

Duplicate certificate returned *1902*


# Marriage records

CERTIFICATE OF DEATH				COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF HEALTH BUREAU OF VITAL STATISTICS	
1. PLACE OF DEATH County <u>Allegheny</u>		Registration District No. <u>140</u>		File No. <u>85794</u>	
Township of <u>Westport</u>		Primary Registration		Registered No. <u>773</u>	
Married at <u>Westport</u>		(If not entered in a book as to NAME, residence and date of birth)		Date of Birth <u>1898</u>	
City of <u>Westport</u>		(If not entered in a book as to NAME, residence and date of birth)		Date of Death <u>1926</u>	
2. FULL NAME <u>John E. Smith</u>					
PERSONAL AND STATISTICAL PARTICULARS					
3. SEX <u>M</u> 4. COLOR OF RACE <u>White</u> 5. SINGLE, MARRIED, WIDOWED OR DIVORCED <u>Married</u> (write the word)					
6. (If married, widowed, or divorced) (a) WIFE of <u>N. J. Smith</u>					
7. DATE OF BIRTH (month, day, and year) <u>Jan. 1, 1898</u>					
8. DATE OF DEATH <u>Jan. 1, 1926</u>		Days <u>3</u> (2523 day 1 day, 24 hrs.)			
9. OCCUPATION OF Deceased <u>None</u>					
10. CAUSE OF DEATH <u>Heart attack</u>					
11. I HEREBY CERTIFY, That I attended deceased from <u>Jan. 1, 1926</u> to <u>Jan. 1, 1926</u> that I saw him alive on <u>Jan. 1, 1926</u> and that death occurred, on <u>Jan. 1, 1926</u> THE CAUSE OF DEATH was as follows: <u>Heart attack</u>					
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# Death certificates

20	Whe. Haappon	20	female	no age			Wahlgren, Minnesota
21	Mundel	21	male	age			
22	Bole	22	male	age			
23	Schauer	23	male	age			
24	Schauer	24	male	age			
25	Widow	25	female	age			
26	Sara	26	female	age			
27	Anna Beckenborg	27	female	age			Julius Valer Beckenborg
28	Thereseus Beckenborg	28	female	age			Thereseus Beckenborg
29	Emma Lars	29	female	age			Emma Lars
30	August Friedrich	30	male	age			August Friedrich

# Ship manifests


 } SS.  
 COMMONWEALTH OF PENNSYLVANIA,  
 COUNTY OF ALLEGHEHY.  
 I, JOHN BRADLEY, Prothonotary of the Court  
 of Common Pleas No. 1, of Allegheny County, in  
 the Commonwealth of Pennsylvania, do hereby  
 certify, that on the Thriday of February  
 A. D. one thousand eight hundred and ninety four, before me, the Prothonotary of the  
 said Court, came Adolf Hupis a native of  
Hungary and declared his intention, bona  
 fide, of becoming a Citizen of the United States; and also his intention to renounce and  
 abjure forever all allegiance to any foreign prince, potentate, state or sovereignty, what-  
 ever, and particularly to renounce and abjure forever all allegiance and fidelity to the  
Kaiser of Hungary  
 and affixed the seal of the said Court of the City of

# Naturalizations

Commonwealth of Pennsylvania.		No. 1367
<b>VETERAN'S COMPENSATION APPLICATION</b>		
NAME OF APPLICANT		NUMBER <b>E24362</b> (Number)
Read instructions and then type or print answers to the following questions striking out words that do not apply. (Numbers in parentheses refer to corresponding materials in the instructions.)		
COUNTY OF <b>Allegheny</b>	<b>Abraham C. Hoppe</b>	
being duly sworn, deposes and says: I am the veteran named in the following descriptive information; I served in the military or naval forces of the United States from Feb. 25 <sup>th</sup> , 1915 to June 11 <sup>th</sup> , 1919: I claim veteran's compensation as authorized by Act No. 53, approved January 9, 1934; I was a resident of Pennsylvania at time of entry into service; I make this claim with full knowledge of my rights and duties under the law, and of the material facts upon which the claim and the answers to the following questions and descriptive information are based:		
(Last name)	(First and middle name)	(Social number)
<b>Hoppe</b>	<b>Abraham Charles</b>	<b>246904</b>
(1) Legal residence at entry into service	<b>408 Hickman Street, Homestead, Allegheny County, Pennsylvania</b> (Street and number, City, County and State)	
(4) Present residence	<b>408 Hickman Street, Homestead, Allegheny County, Pennsylvania.</b> (Street and number, City, County and State)	
(5) Enlisted, commissioned or inducted in <b>PAY GRADE NA 607-807-807-PAY GRADE 606-806-806</b> at <b>Fort Mifflin, Pa.</b>	(Date of enlistment, commissioning or induction) <b>February 25, 1915.</b>	
(6) On active duty in Navy or in Reserve from <b>June 11, 1919</b> to <b>June 11, 1919</b>	(Place and date of discharge) <b>Homestead, Penn., May 27, 1919</b>	
<b>Military records</b>		
Father	<b>Edward Hoppe, Homestead, Pennsylvania.</b>	

# Military records

STOCK

DATE DESCRIPTION AMOUNT BALANCE

1970 JAN 15 1000 1000 00

1970 FEB 15 1000 1000 00

1970 MAR 15 1000 1000 00

1970 APR 15 1000 1000 00

1970 MAY 15 1000 1000 00

1970 JUN 15 1000 1000 00

1970 JUL 15 1000 1000 00

1970 AUG 15 1000 1000 00

1970 SEP 15 1000 1000 00

1970 OCT 15 1000 1000 00

1970 NOV 15 1000 1000 00

1970 DEC 15 1000 1000 00

BOND

DATE DESCRIPTION AMOUNT BALANCE

1970 JAN 15 1000 1000 00

1970 FEB 15 1000 1000 00

1970 MAR 15 1000 1000 00

1970 APR 15 1000 1000 00

1970 MAY 15 1000 1000 00

1970 JUN 15 1000 1000 00

1970 JUL 15 1000 1000 00

1970 AUG 15 1000 1000 00

1970 SEP 15 1000 1000 00

1970 OCT 15 1000 1000 00

1970 NOV 15 1000 1000 00

1970 DEC 15 1000 1000 00

# Tax records

# Tax records

Homesteaded Hebrew Con. Rodef Shalom -

THEIR INTENTURE

MADE the seventh day of July in the year of our Lord one thousand nine hundred and thirteen.

Mary A. Gillyly

BETWEEN The Homestead Hebrew Congregation, Rodef Shalom, a corporation of body politic, and of the Commonwealth of Pennsylvania, having its domicile in the Borough of Homestead County of Allegheny in said Commonwealth, party of the first part, and Mary A. Gillyly, of the Borough, of Allegheny County, of the said Commonwealth, party of the second part,

WITNESSETH, That the said party of the first part, for and in consideration of the sum of Four Thousand Dollars (\$4000) Dollars, lawful money of the United States of America, to the said party of the second part, in full payment of the sum of said money, and of and delivery of these presents, the receipt whereof is hereby acknowledged has granted, warranted, conveyed and confirmed, and do hereby confirm, unto the said party of the second part, her heirs and assigns,

ALL that certain lot of ground situate in the Borough of Homestead, of Allegheny County, of the said Commonwealth, and more particularly described in and to the number 129 in a plan of lots laid out by Dickson and Burehfield as recorded in the Recorder of Deeds Office of Allegheny County, of the said Commonwealth, on Deed Book Vol. 112, page 116. Said part of Lot No. 129 being bounded and described as follows, to wit:

BEGINNING at the dividing line between lots Nos. 129 and 130 in said plan, at a point on the north line of said plan, and thence Northerly along said Alley Twenty-three (23) feet to a point on the north line of Lot No. 129 and parallel with said dividing line one hundred and twenty (120) feet to the south line of said lot, and thence easterly along said south line of said lot to the corner of beginning. Having erected thereon a frame church building, and having used the same as a church for the purpose of religious worship.

IN WITNESS WHEREOF, the said party of the first part, has hereunto set its hand and the seal of record in the Recorder's Office of Allegheny County, on Deed Book Vol. 112, page 116.

# Deeds

# THE NEWS-MESSANGER

WED. 12. 22. 1921.      BIRMINGHAM, ALA.      PUBLISHED WEEKLY      PRICE 10 CENTS      (BIRMINGHAM, ALA. 36001)

## HEBREW LODGE WILL JOIN HOMESTEAD HOSPITAL ASSOCIATION IN A BODY

### TICKETS ARE SELLING FAST

The Indications Point to Big Crowd at Going Wednesday

### PICTURES TO BE SHOWN TONIGHT

THE ST. MARY MAGDALE SCHOOL PICNIC

### What Action Should be Taken

### HEBREW LODGE TAKES ACTION

### LIVELY DOINGS AT THE POLICE COURT

Officers are Charged With Abusing Their Prisoners

### AN INVESTIGATION IS TO BE MADE

### DEATH OF OLD STEEL WORKER YESTERDAY

# Newspapers

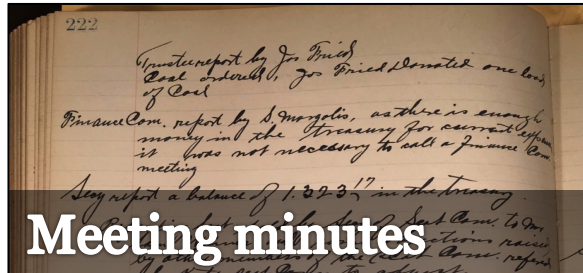
# Newspapers



## Homestead Hebrew Data



# Synagogue Records



1909

Overpaid on acct

Oct 1 3 months dues Oct. Nov. Dec.

Sept 16 R. H. David day 1909

Spending

Smooth Spend H. H. H.

Jan 1 1910 3 month dues

Balance due

**Financial records**

TEACHER	Reading	Prayers	Hebrew	Bible	History	Customs and Cerem.
Miss Rosen	G+					
Miss Rosen	E-					
Miss Rosen	G		G			
M. Fridz		A	A		C	
Marcus					Ct C	

**Hebrew school records**





# Identifying Synagogue Members

- 537 members
- 503 identified (94%)
- 479 fully traced (89%)

Individual Accounts 1909-14  
(Records of the Homestead Hebrew Congregation, MSS #107,  
Detre Library & Archives at the Heinz History Center)

98

B. Hepper

		Spent	Due	By
1909				
Oct 1	Over paid on acct			52
Sept 16	3 months dues Oct Nov Dec	3.00		12.48
	R. H. Barst day	6.25		
	Spending	25		
	Succoth Spend 1/2 day	50	7.00	
Jan 1 1910	3 months dues	3.00		
		13.00		13.00
	Balance due		12.48	
Jan 6	Spent	70		
Feb 6	By Cash			14.00
May 8	"	30		24.00
	Spending	25		
	"	2.25		
	"	50	3.50	
Apr 1	3 months dues	3.00		
July 1	3 months dues	3.00		13.98
		21.78		21.48
	Balance Bk. for		13.98	
Oct 2	By Cash			13.98
" 1	3 months dues	3.00		
Dec 1	By Cash			2.00
Jan 1 1911	3 months dues	3.00		
" 5	Spending	50		
" 8	By Cash			3.00
Apr	Collected from Bk. due Ca	14.00		30.00
May	Paid to S. Morris Texas			2.00
Apr 16	By Cash			
Apr 1	3 months dues	3.00		
	Shewers spend	1.00	1.50	
July 1	3 months dues	3.00		
		14.30		30.90
	Balance		11.65	
July 5	By Cash to S. Morris			100.00
"	Check S. B.			101.50
	Interest on \$100.00	1.50		
		112.15	111.50	
	Balance due		6.50	
			112.15	



Homestead Hebrew Data

# Workflow



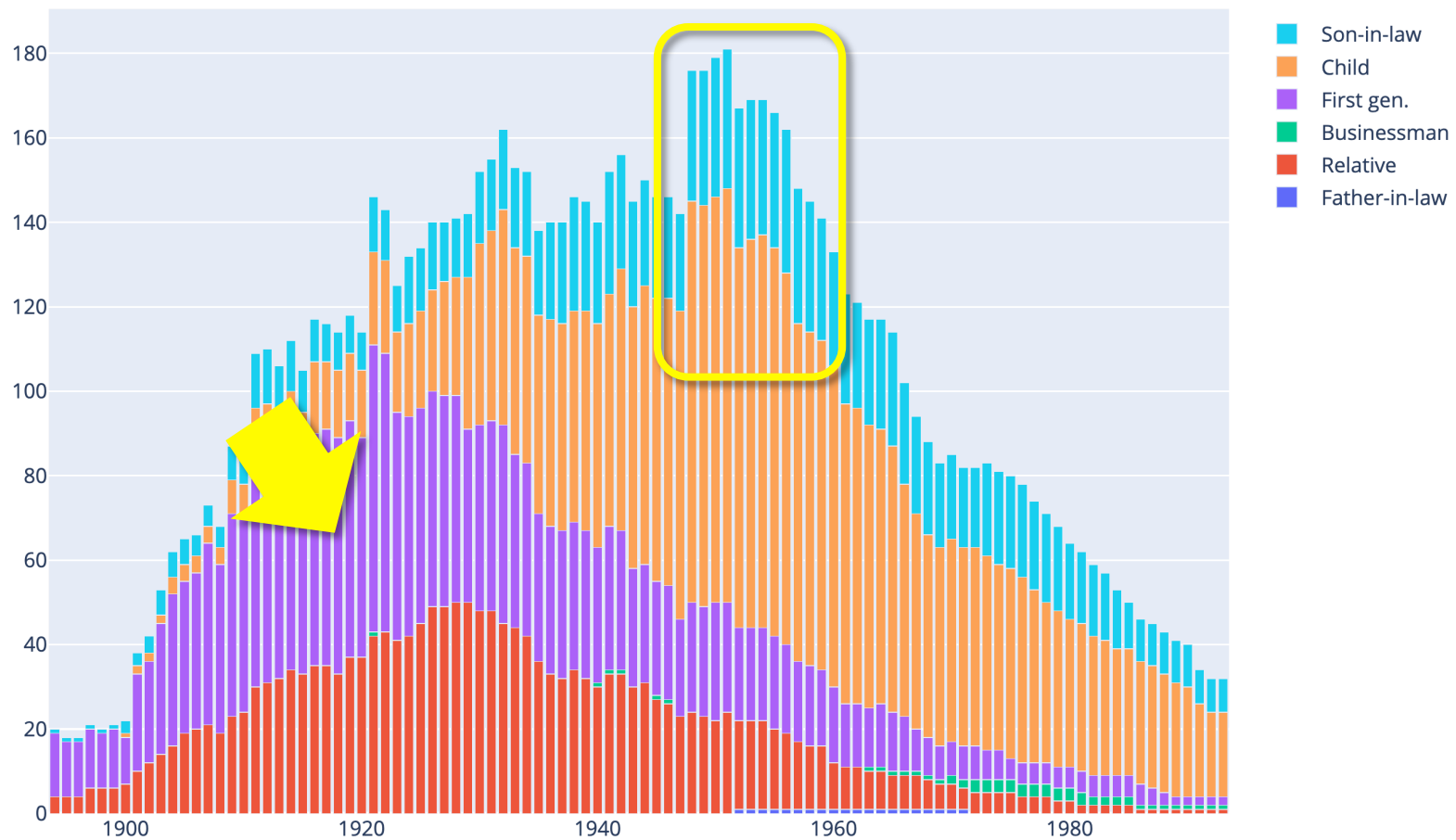
## Coding people

- Tag
  - **Cohort**: Present for strike
  - **Characteristic**: Birth country
- Analytical fact
  - **Date**: Immigration date
  - **Date range + metadata**: Dates of synagogue membership with reasons



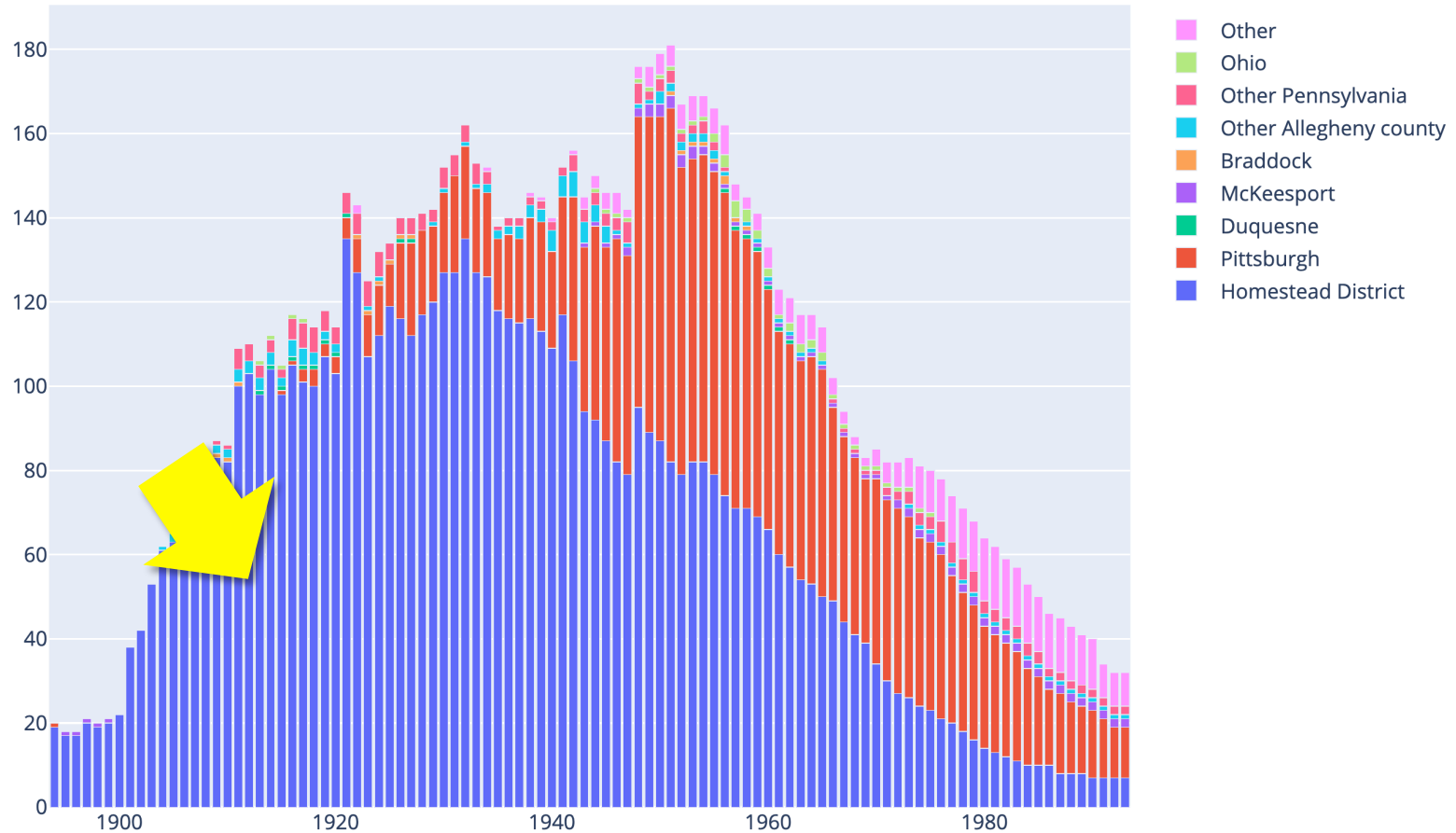


# Synagogue Members by Relationship to Other Members



Homestead Hebrew Data

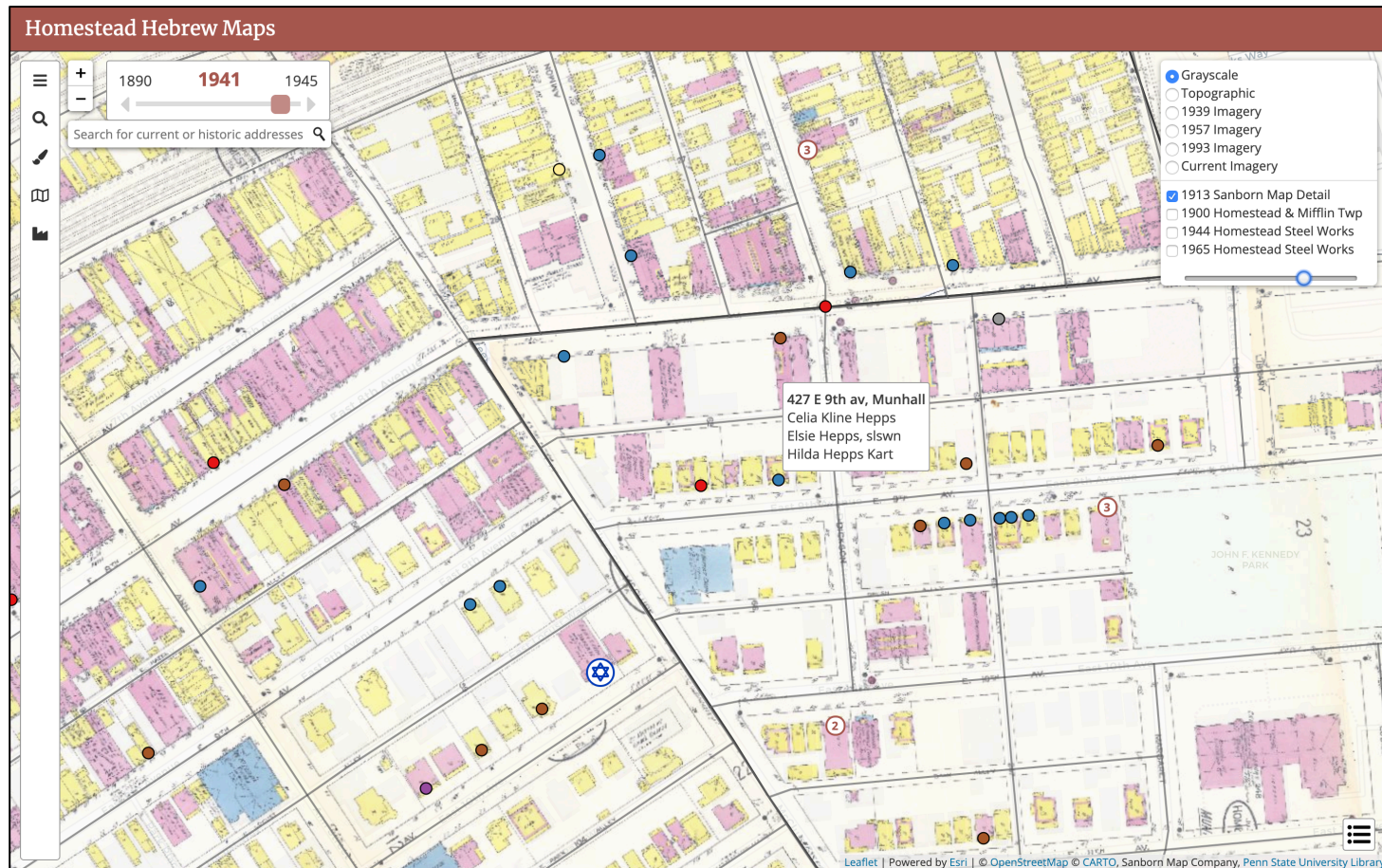
# Synagogue Members by Place of Residence



Homestead Hebrew Data



# <http://Maps.HomesteadHebrews.com>



## Homestead Hebrew Data

# The Ward, 1930s



Homestead Hebrew Data



# Destruction of the Ward, 1941-1942



Homestead Exhibit Photographs, Detre Library & Archives at the Heinz History Center



**Homestead Hebrew Data**

# Expanded Steel Mill



Homestead Hebrew Data



# Demolition of the Steel Mill, 1990s



Park Corporation



Homestead Hebrew Data



# The Waterfront, Today

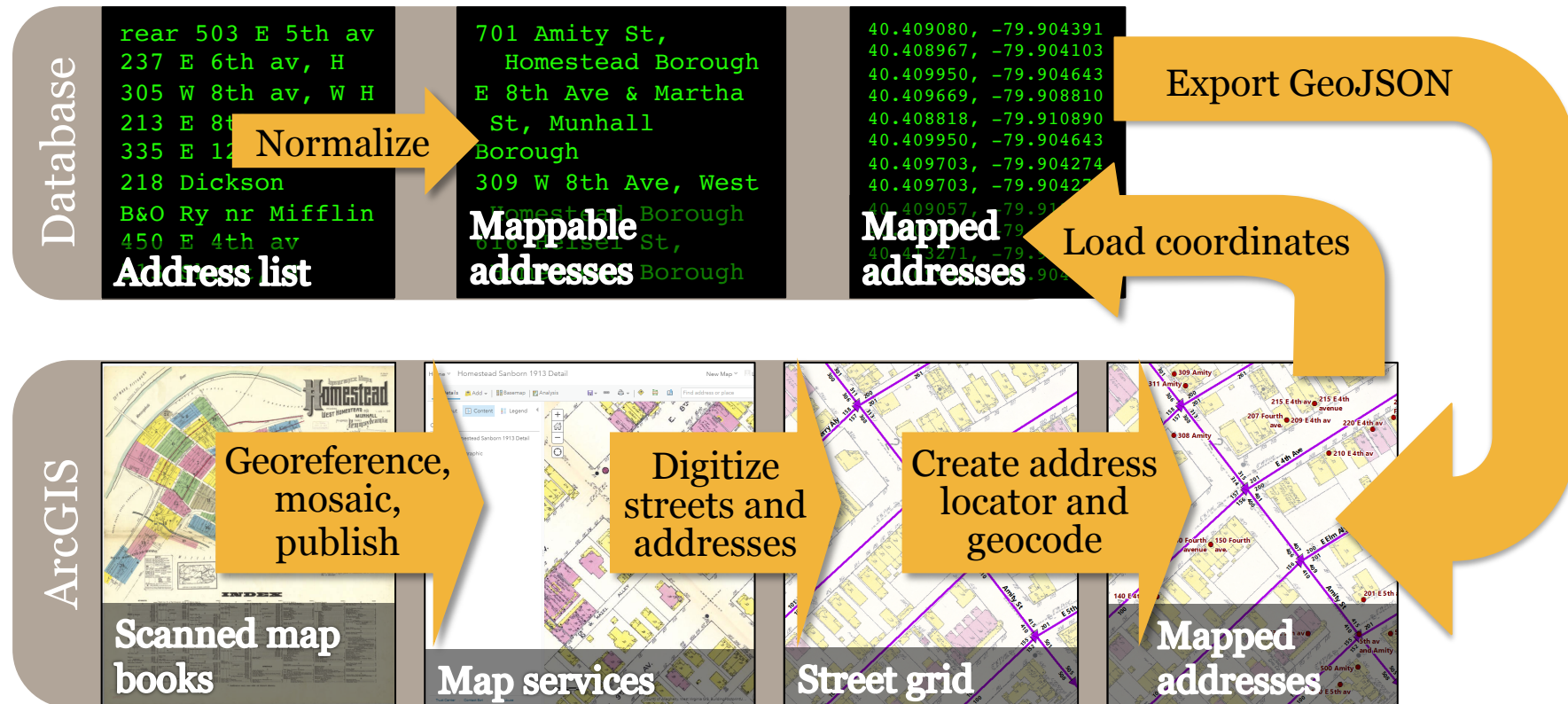


The Center for Land Use Interpretation



**Homestead Hebrew Data**

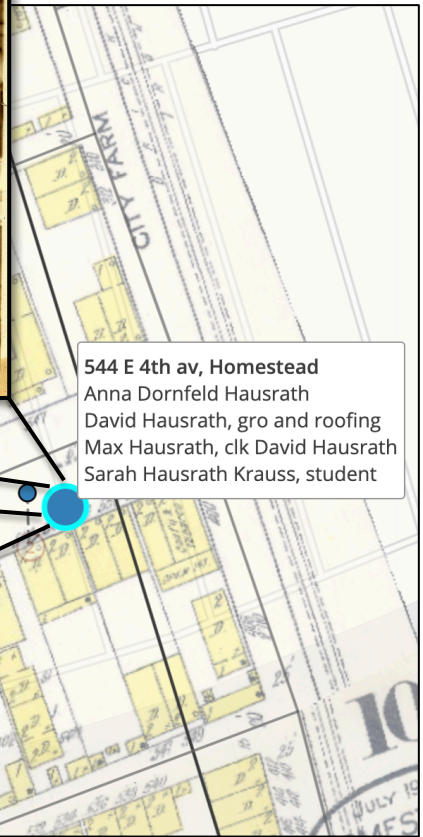
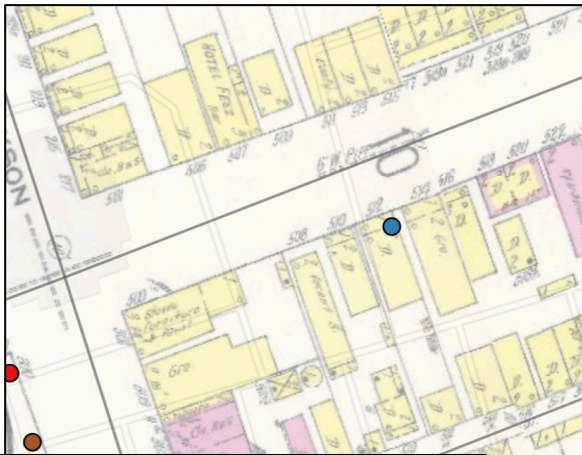
# Mapping the City Directories



Homestead Hebrew Data



# Genealogical Insights from the Map



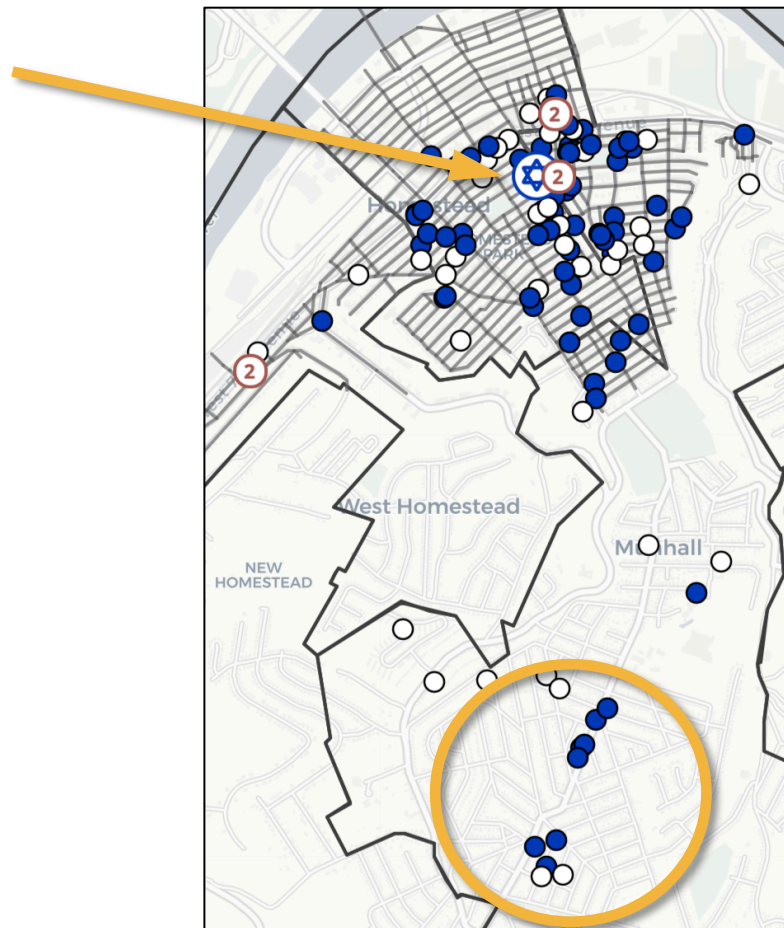
544 E 4th av, Homestead  
Anna Dornfeld Hausrath  
David Hausrath, gro and roofing  
Max Hausrath, clk David Hausrath  
Sarah Hausrath Krauss, student



Homestead Hebrew Data



# Sociological Insights from the Map

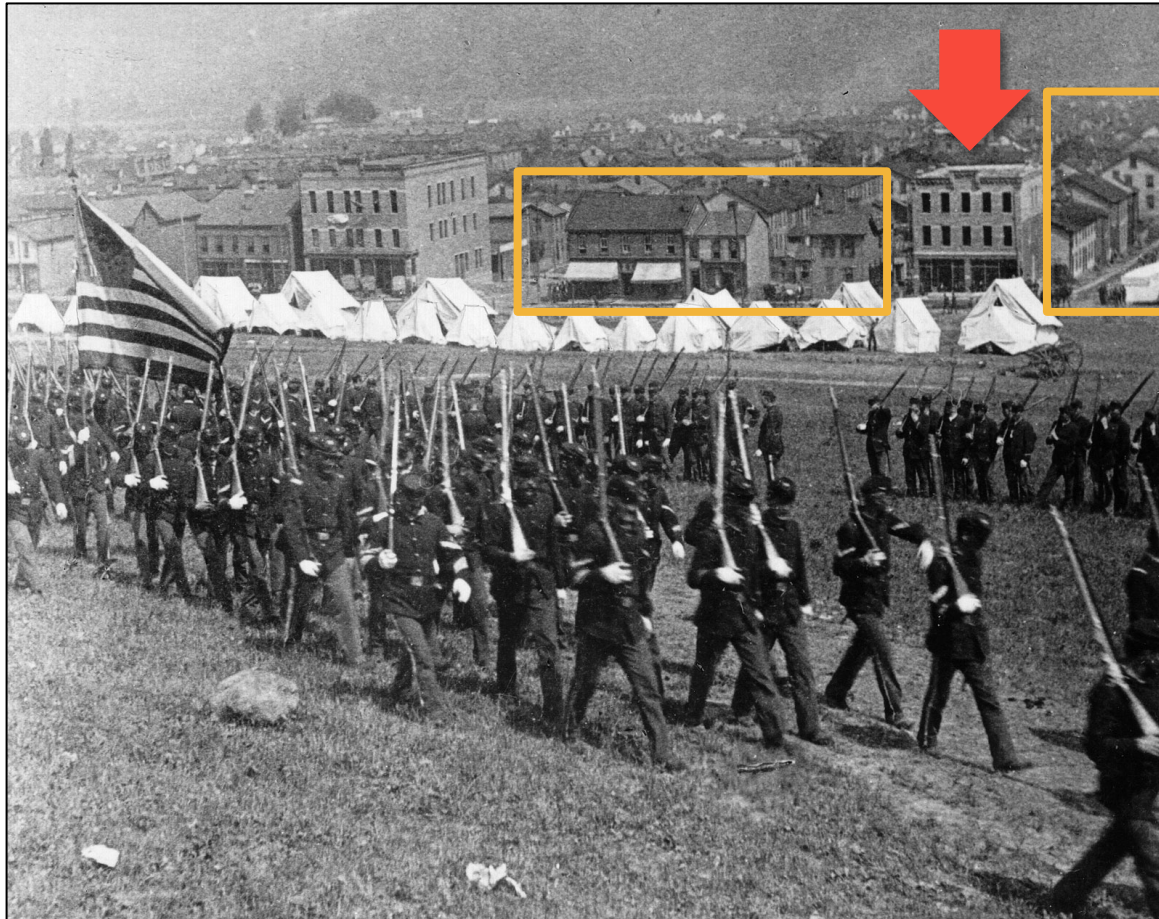


Households in 1945,  
color-coded by  
synagogue membership



Homestead Hebrew Data

# Historical Insights from the Map

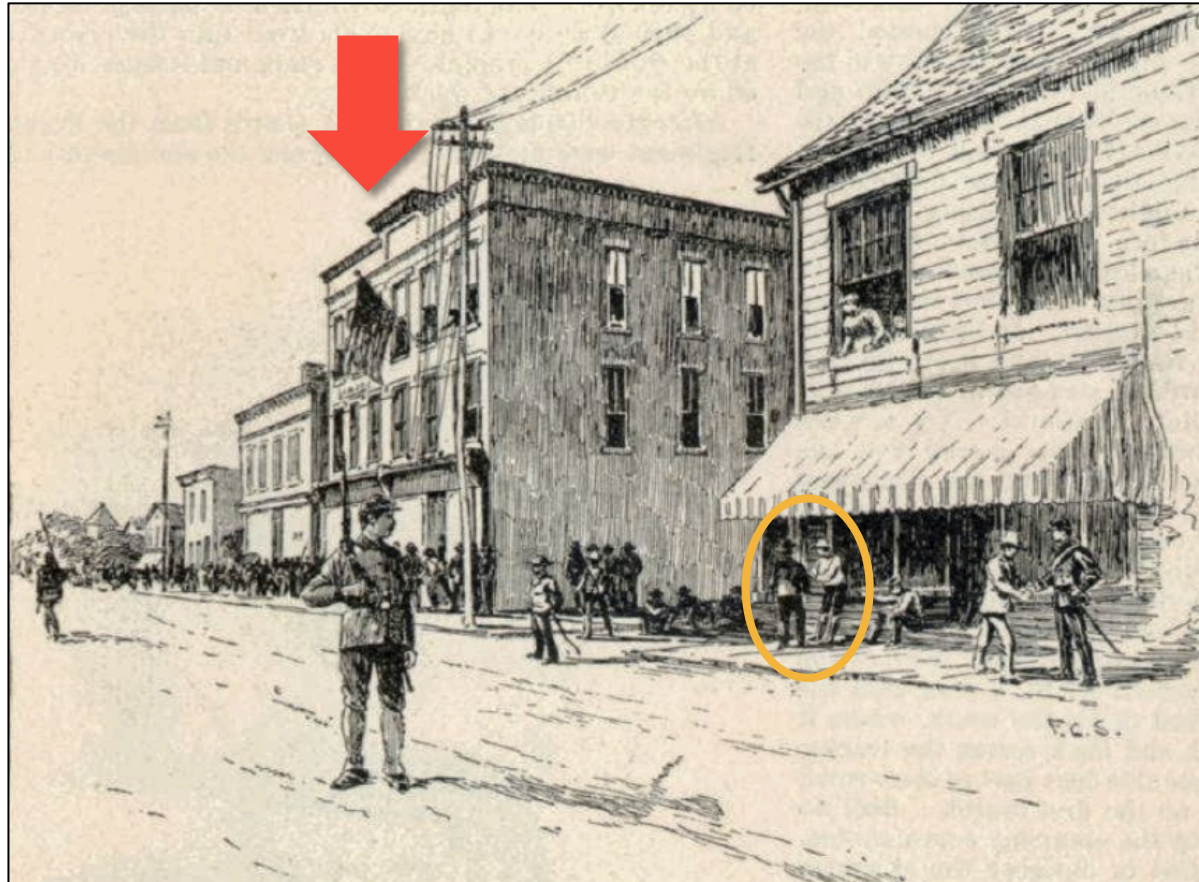


*Militia  
entering  
Homestead,  
1892*



**Homestead Hebrew Data**

# Historical Insights from the Map



*Harper's Weekly*  
July 16, 1892



**Homestead Hebrew Data**



# Towards Data-Driven History



Homestead Hebrew Data